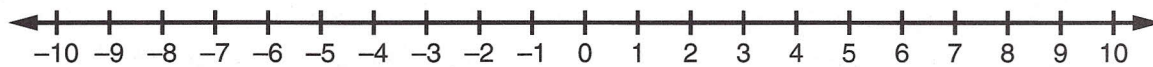


# Comparing and Ordering Numbers

For any pair of numbers on the number line, the number to the left is less than the number to the right.



$-10$  is less than  $-5$ , because  $-10$  is to the left of  $-5$ .

We use the  $<$  (less than) symbol to write  $-10 < -5$ .

$+10$  is greater than  $+5$ , because  $+10$  is to the right of  $+5$ .

We use the  $>$  (greater than) symbol to write  $+10 > +5$ .

*Reminder:*

When writing the  $>$  or  $<$  symbol, be sure the arrow tip points to the smaller number.

Write  $>$  or  $<$ .

1.  $-5$  \_\_\_\_\_  $5$       2.  $10$  \_\_\_\_\_  $-10$       3.  $-10$  \_\_\_\_\_  $0$

4.  $14$  \_\_\_\_\_  $7$       5.  $-14$  \_\_\_\_\_  $-7$       6.  $0$  \_\_\_\_\_  $-6\frac{1}{2}$

Answer the following.

7. What is the value of  $\pi$  to two decimal places? \_\_\_\_\_

8.  $-\pi =$  \_\_\_\_\_

List the numbers in order from least to greatest.

9.  $-10, 14, -100, \frac{8}{2}, -17, 0$  \_\_\_\_\_

10.  $-0.5, 0, -4, -\pi, -4.5$  \_\_\_\_\_

Answer the following.

11. Name four positive numbers less than  $\pi$ . \_\_\_\_\_

12. Name four negative numbers greater than  $-\pi$ . \_\_\_\_\_